

Fig. 1A

SUS1 SEQ ID NO: 42	<u>ENGILRKWI</u> SRFDVWPYI	native
SUS2 SEQ ID NO: 3	<u>ENGIVRKWI</u> SRFEVWPYI	native
SS2 SEQ ID NO: 10	<u>GIVRKWI</u> SRFEVWPYI LKK	active
SS11 SEQ ID NO: 11	I <u>LRVPFRTE</u> GIVRKWI _(NH2)	inactive
SS12 SEQ ID NO: 12	<u>GIVRKWI</u> SRFEVWPYI _(NH2)	active
SS15 SEQ ID NO: 13	<u>GIVRKAI</u> SRFEV A PYI _(NH2)	less active
SS16 SEQ ID NO: 14	SRFEVWPYI _(NH2)	less active
SP3 SEQ ID NO: 18	^N RRISSVE ^N ^N DKK _(NH2)	inactive
NR11 SEQ ID NO: 15	GPTLKRTASTAFMNTTSKK	inactive
SP26 SEQ ID NO: 16	GRMRRIATVEMMKK	inactive
SS1 SEQ ID NO: 9	GDRVLSRLHSVRERIGK	inactive
ACTIN SEQ ID NO: 19	<u>EHGIVTNWDDMEKIWHHTFY</u>	consensus

Double basic cluster: black box; e.g. **KK**

Possible region of specificity: underlined or boxed

Substitutions: bold

Fig. 1B

EN	GIVRK	WI	SRFEVW	PYL	KK
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X_4 X_3 X_2 X_1 X_5 X_6

SEQ ID NO.		SEQUENCE
SEQ ID NO:22	X_1	[SRFEVW]
SEQ ID NO:17	X_2-X_1	[WI]SRFEVW
SEQ ID NO:14	X_1-X_5	SRFEVW[PYL]
SEQ ID NO:23	$X_2-X_1-X_5-X_6$	[WI]SRFEVW[PYL]KK
SEQ ID NO:12	$\underline{X}_3-X_2-X_1-X_5$	GIVRK[WISRFEVWPYLN]
SEQ ID NO:10	$X_3-X_2-X_1-X_5-X_6$	GIVRKWISRFEVWPYL[KK]
SEQ ID NO:24	$X_4-X_3-X_2-X_1-X_5-X_6$	ENGIVRKWISRFEVWPYLKK